



EXAMINATION NO.: _____

THE MALAWI NATIONAL EXAMINATIONS BOARD

2021 JUNIOR CERTIFICATE EXAMINATION

GEOGRAPHY

(100 marks)

Subject Number: J073

Tuesday, 28 September

Time Allowed: 2 h 30 min

1:00 – 3:30 pm

1. This paper contains 13 printed pages. Please check.
2. This paper has three sections. A, B, and C.
3. Follow instructions for each section carefully.
4. In the table provided on this page, tick against the question number you have answered.
5. Hand in your question paper to the invigilator when time is called to stop writing.

IMPORTANT

6. Make sure you write your **Examination Number** in the spaces provided on **all** the pages of this paper before you start answering the questions.

Question number	Tick if answered	Do not write in these columns	
1-20			
21			
22			
23			
24			
25			
26			
27			

Section A (20 marks)

Answer **all** questions in this section by circling the correct answer.

Each question carries **1 mark**.

1. Which of the following is the direction of rotation of the Earth?
 - A. South to North
 - B. East to West
 - C. North to South
 - D. West to East
2. Which of the following are results of the revolution of the earth?
 1. varying length of day and night
 2. seasons of the year
 3. deflection of ocean currents
 4. day and night
 - A. 1 and 2
 - B. 1 and 3
 - C. 2 and 4
 - D. 3 and 4
3. The percentage of oxygen gas in the atmosphere is
 - A. 0.03.
 - B. 0.09.
 - C. 21.
 - D. 78.
4. Which of the following is a characteristic of the stratosphere?
 - A. total absence of clouds
 - B. positive temperature lapse rate
 - C. vertical movement of wind
 - D. high level of ionisation
5. Which of the following are ways in which atmosphere is important in the communication industry?
 1. carries sand waves
 2. absorbs solar radiation
 3. warms the earth
 4. makes flight possible
 - A. 1 and 2
 - B. 1 and 4
 - C. 2 and 3
 - D. 3 and 4
6. Which of the following is a drainage feature?
 - A. plains
 - B. hills
 - C. swamps
 - D. inselbergs
7. Which of the following explains the way lakes are formed through faulting?
 - A. people build a dam across a river
 - B. lava breaks the course of a river
 - C. water collects on cracks formed due to compression and tension forces
 - D. water collects in a depression formed due to compression and tension force
8. The effect of altitude on temperature is that temperature ,
 - A. increases with increasing altitude.
 - B. decreases with increasing altitude.
 - C. decreases with decreasing altitude.
 - D. remains constant at any altitude.

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2021

9. A rain gauge, is placed 30 cm above the ground to
- collect much rain fall.
 - avoid blockage by trees.
 - prevent water splashes.
 - reduces water spillage.
10. Which of the following Okta symbols indicates that the sky is partly cloudy?
- 
 - 
 - 
 - 
11. Which of the following processes led to the formation of Lake Malawi?
- down warping
 - faulting
 - volcanic activity
 - human activities
12. Why is cultivation on hill slopes discouraged?
- infiltration of rain water is difficult
 - hill slopes have poor soils
 - causes siltation in water bodies
 - causes landslides
13. Which of the following human activities is the **main** cause of floods in Malawi?
- construction
 - deforestation
 - mining
 - quarrying
14. What is the population density of a town with an area of 400 km² and a total population of 100,000 people?
- 205 people/km²
 - 250 people/km²
 - 2,500 people/km²
 - 25,000 people/km²
15. What happens when birth rate is higher than death rate?
- mortality rate declines
 - mortality rate increases
 - population declines
 - population increases
16. Which of the following environmental management practices should be done before undertaking any development project?
- Monitoring Environmental Quality
 - Environmental Education and Public Awareness
 - Environmental Impact Assessment
 - Private Sector Participation
17. Which of the following are ways through which pollution can disturb an ecosystem?
- destroys habitat
 - causes siltation
 - causes death of species
 - encourages resource exploitation
- 1 and 2
 - 1 and 3
 - 2 and 4
 - 3 and 4

Continued/...

18. Why should a country not rely on **one** export product?
- A. Natural disasters can affect production.
 - B. Removal of subsidies can affect production.
 - C. Inflation rates can affect production.
 - D. It increases unemployment
19. Which of the following is a way of minimizing communication problems in Malawi?
- A. regular maintenance
 - B. employing many people
 - C. inviting private sectors
 - D. introducing airlines
20. In which of the following types of industries does mining belong?
- A. extractive
 - B. manufacturing
 - C. tertiary
 - D. quaternary

Section B (50 marks)

Answer **all** questions in this section in the spaces provided.

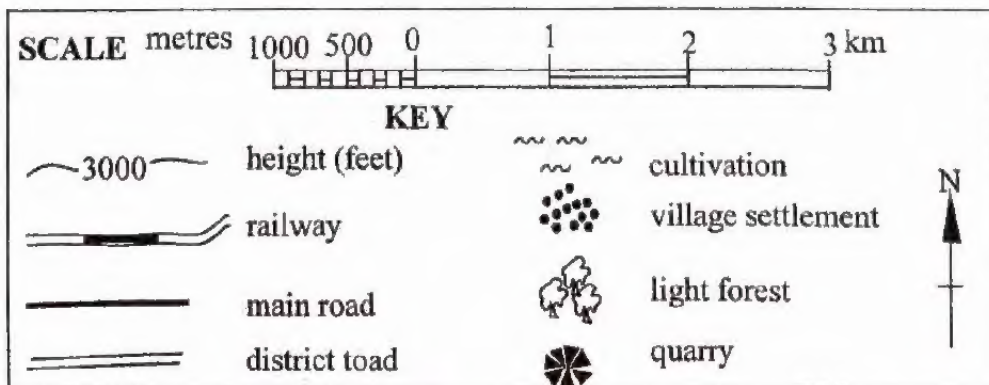
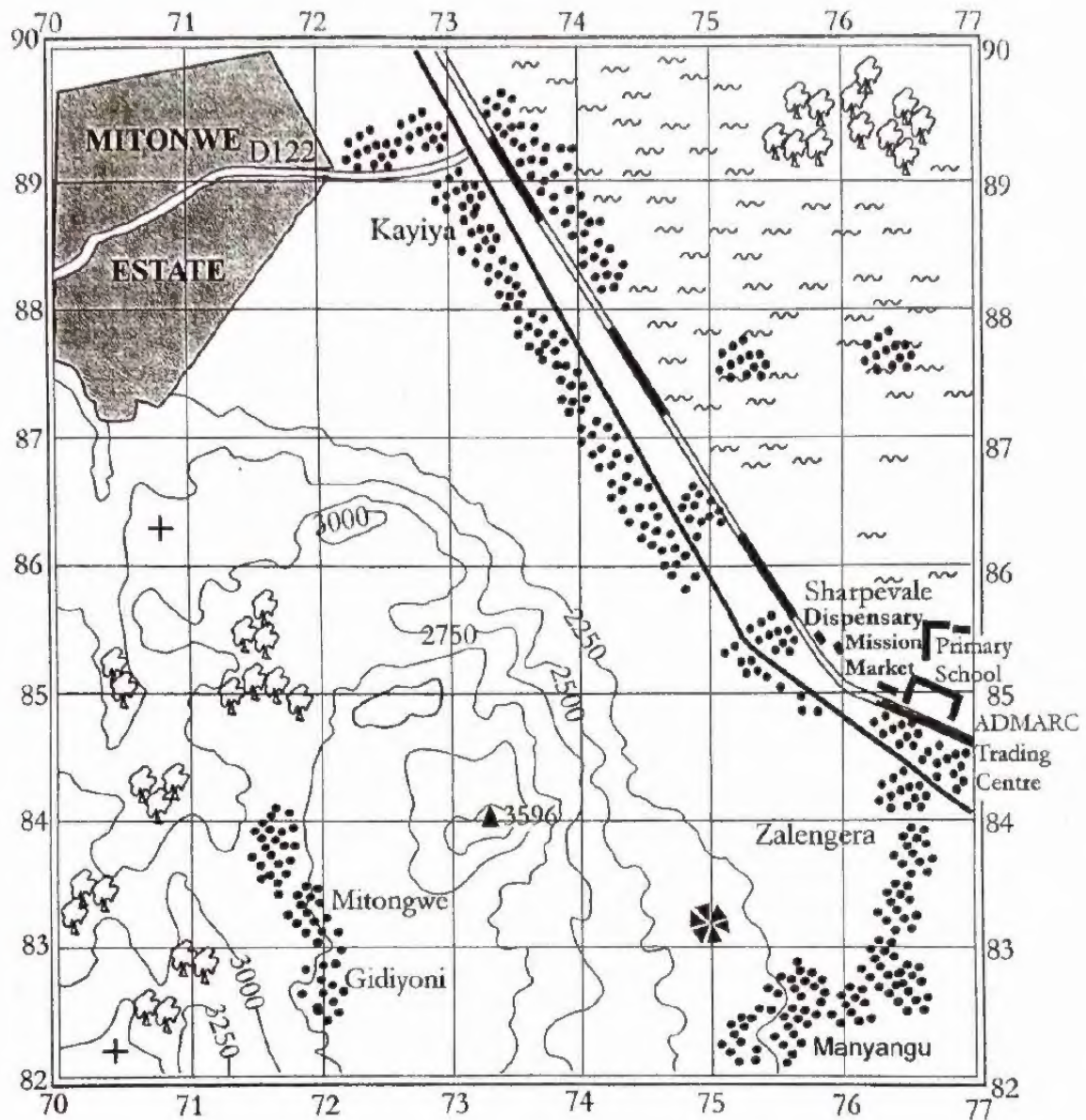
21. **Figure 1** is the map of Sharpe Valley. Use it to answer questions that follow:

Continued/...

21. (Continued)

Figure 2

MAP OF SHARPEVALE



Continued/...

21. (Continued)

a. Calculate the following on the map:

(i) **Four figure** grid reference for the primary school

_____ (1 mark)

(ii) **Six figure** grid reference for the trigonometrical station.

_____ (2 marks)

(iii) Bearing of the quarry from the dispensary

_____ (3 marks)

b. Measure the actual distance of the railway line on the map. Give your answer to the nearest kilometer.

_____ (3 marks)

c. State any **two** land uses shown on the map.

_____ (2 marks)

d. State any **two** settlement patterns shown on the map.

_____ (2 marks)

e. What evidence is there on the map to show that natural resources are conserved in the area?

_____ (1 mark)

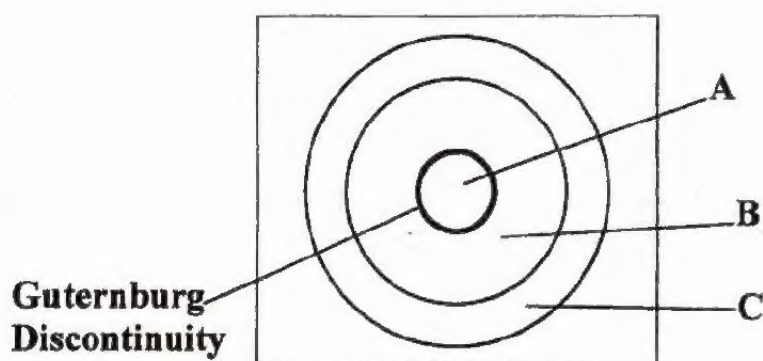
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21. (Continued)

- f. Calculate the actual area of Mitongwe estate. Give your answer to the nearest kilometer.

(6 marks)

22. a. **Figure 2** is a diagram showing the internal structure of the Earth. Use it to answer questions that follow:

**Figure 2**

- (i) Name the parts labelled A, B and C.

A: _____

B: _____

C: _____

(3 marks)

- (ii) Mention the boundary occurring between part B and C.

(1 mark)

Continued/...

22. a. (Continued)

(iii) State any **two** characteristics of part labelled **B**.

(2 marks)

b. Explain the importance of the following processes in the hydrological cycle:

(i) infiltration

(2 marks)

(ii) transpiration

(2 marks)

23. a. **Figure 3** is an illustration of an instrument used to measure weather. Use it to answer the questions that follow:

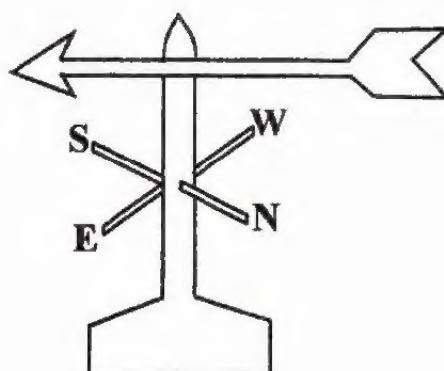


Figure 3

(i) Name the instrument.

(1 mark)

Continued/...

23. a. (Continued)

(ii) State the element of weather which is measured by the instrument.

(1 mark)

(iii) Explain how the instrument is used to measure weather.

(3 marks)

b. State any **two** ways in which air is important in the environment.

(2 marks)

c. Explain any **one** way in which communities living near forests benefit from them.

(2 marks)

24. a. Define the following terms related to population.

(i) density

(1 mark)

(ii) distribution

(1 mark)

b. Describe how the following factors influence population distribution:

(i) soils

(2 marks)

Continued/...

24. b. (Continued)

(ii) vegetation

(2 marks)

c. State any **two** ways in which trade is important to Malawi.

(2 marks)

d. Explain any **one** challenge associated with communication in Malawi.

(2 marks)

Continued/...

(10 marks)
Continued/...

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